

CLAIMS

1. A recording apparatus for recording second picture data or second sound data onto a recording medium on which first picture data or first sound data are recorded, characterized by comprising:
 - reading controlling means for controlling reading of low-resolution data having the same contents as at least one of said first picture data and said first sound data recorded on said recording medium; and
 - recording controlling means for controlling recording of said second picture data or said second sound data synchronizing with said at least one of said first picture data and said first sound data, onto said recording medium.
2. The recording apparatus according to claim 1, characterized in that said reading controlling means controls reading of said low-resolution data in which low-resolution picture data having the same contents as said first picture data and low-resolution sound data having the same contents as said first sound data are multiplexed.
3. The recording apparatus according to claim 1, characterized in that said recording controlling means controls recording of said second picture data so as to be recorded to a first file in which picture data are collectively placed, or recording of said second sound data so as to be recorded to a second file in which sound data are collectively placed.
4. The recording apparatus according to claim 1, characterized in that said recording medium is an optical disk.
5. The recording apparatus according to claim 1, characterized in that said recording medium is a semiconductor memory.

6. A recording method of recording second picture data or second sound data onto a recording medium on which first picture data or first sound data are recorded, characterized by comprising:

- 5 a reading controlling step of controlling reading of low-resolution data having the same contents as at least one of said first picture data and said first sound data recorded on said recording medium; and
- a recording controlling step of controlling recording of said second picture data or said second sound data synchronizing with said at least one of said first picture data and said first sound data, onto said recording
- 10 medium.

7. A program for causing a computer to execute processing of recording second picture data or second sound data onto a recording medium on which first picture data or first sound data are recorded,

15 characterized by comprising:

- a reading controlling step of controlling reading of low-resolution data having the same contents as at least one of said first picture data and said first sound data recorded on said recording medium; and
- a recording controlling step of controlling recording of said second
- 20 picture data or said second sound data synchronizing with said at least one of said first picture data and said first sound data, onto said recording medium.

8. A recording apparatus for recording second picture data onto a

25 recording medium on which low-resolution picture data of a low resolution having the same contents as first picture data and said first picture data are recorded, characterized by comprising:

- reading controlling means for controlling reading of said first picture data and said low-resolution picture data; and
- 30 recording controlling means for controlling recording of said second picture data in synchronism with said first picture data are multiplexed.

9. The recording apparatus according to claim 8, characterized in that said reading controlling means controls reading of low-resolution data in which said low-resolution picture data having the same contents as said
5 first picture data and low-resolution sound data having the same contents as sound data are multiplexed.
10. The recording apparatus according to claim 8, characterized in that said recording controlling means controls recording of said second picture
10 data to a file in which picture data are collectively placed.
11. The recording apparatus according to claim 8, characterized in that said recording medium is an optical disk.
- 15 12. The recording apparatus according to claim 8, characterized in that said recording medium is a semiconductor memory.
13. A recording method of recording second picture data onto a recording medium on which low-resolution picture data of a low
20 resolution having the same contents as first picture data and said first picture data are recorded, characterized by comprising:
a reading controlling step of controlling reading of said first picture data and said low-resolution picture data; and
a recording controlling step of controlling recording of said second
25 picture data in synchronism with said first picture data.
14. A program for causing a computer to execute processing of recording second picture data onto a recording medium on which
low-resolution picture data of a low resolution having the same contents
30 as first picture data and said first picture data are recorded,
characterized by comprising:

a reading controlling step of controlling reading of said first picture data and said low-resolution picture data; and

a recording controlling step of controlling recording of said second picture data in synchronism with said first picture data.

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15. A recording apparatus for recording second sound data onto a recording medium on which low-resolution sound data of a low resolution having the same contents as first sound data and said first sound data are recorded, characterized by comprising:

10 reading controlling means for controlling reading of said first sound data and said low-resolution sound data; and

recording controlling means for controlling recording of said second sound data in synchronism with said first sound data.

15 16. The recording apparatus according to claim 15, characterized in that said reading controlling means controls reading of low-resolution data in which said low-resolution sound data having the same contents as said first sound data and low-resolution picture data having the same contents as picture data are multiplexed.

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17. The recording apparatus according to claim 15, characterized in that said recording controlling means controls recording of said second sound data to a file in which sound data are collectively placed.

25 18. The recording apparatus according to claim 15, characterized in that said recording medium is an optical disk.

19. The recording apparatus according to claim 15, characterized in that said recording medium is a semiconductor memory.

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20. A recording method of recording second sound data onto a

recording medium on which low-resolution sound data of a low resolution having the same contents as first sound data and said first sound data are recorded, characterized by comprising:

5 a reading controlling step of controlling reading of said first sound data and said low-resolution sound data; and

a recording controlling step of controlling recording of said second sound data in synchronism with said first sound data.

21. A program for causing a computer to execute processing of
10 recording second sound data onto a recording medium on which low-resolution sound data of a low resolution having the same contents as first sound data and said first sound data are recorded, characterized by comprising:

15 a reading controlling step of controlling reading of said first sound data and said low-resolution sound data; and

a recording controlling step of controlling recording of said second sound data in synchronism with said first sound data.